

**Flood Control Project Maintenance
Levee Inspections**

Fall 2013 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

RD0563 Reclamation District No. 0563 Tyler Island	Overall LMA Rating	Total LMA Miles						
	U	12.38						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.84	0.23	1.76	14.22%	0.13	0.15		
Trim / Thin Trees	0.42	0.05	0.62	5.01%				
Encroachments	0.11	0.01	0.15	1.21%	0.24	0.01	0.22	
Animal Control	0.27		0.27	2.18%				
Slope Stability	0.05	0.01	0.09	0.73%				
Erosion / Bank Caving	0.02		0.02	0.16%				
Crown Surface / Depressions / Rutting	9.91		9.91	80.05%				
Operations & Maintenance Manuals	0.12		0.12	0.97%				
Flood Preparedness & Training	0.12		0.12	0.97%				
<i>Supplemental</i>								
USACE Erosion Survey	2.92	1.10	7.32	59.13%				
LMA Totals:	14.79	1.40	20.39	164.70%	0.37	0.16	0.22	0.00

**Flood Control Project Maintenance
Levee Inspections**

LMA District Cover Sheet

Fall 2013 Levee Inspection Results

Reclamation District No. 0563 Tyler Island

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*

SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an induction of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2013 Levee Inspection Results

Reclamation District No. 0563 Tyler Island

Waterway			Bank	Unit Miles
Unit No. 01 Georgiana Slough (Tyler Island)			Left	12.38
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	04/24/2013 - 04/24/2013		10/15/2013 - 10/16/2013	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By	Steve Mello RD 563		Steve Mello RD 563	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector	
LMR No.	Levee Mile		Category	Item	* Location	* Rating	Action/Comment			GPS Latitude/Longitude	Issue No.
	Start	End								Start	End
1	0.00	0.00	Earthen Levee	Operations & Maintenance Manuals	WS M Ma					°	° 58
										°	°
										DWR ID: DWR_RD0563_01_s_2012_58	
2	0.00	0.00	Earthen Levee	Emergency Supplies & Equipment	WS A Ma					°	° 101
										°	°
										DWR ID: DWR_RD0563_01_s_2013_101	
3	0.00	0.00	Earthen Levee	Flood Preparedness & Training	WS M Ma					°	° 102
										°	°
										DWR ID: DWR_RD0563_01_s_2013_102	
4	0.10	0.11	Earthen Levee	Trim / Thin Trees	LS M Ma	T1 : Trim trees to at least five feet above ground level.				38.234323 ° 38.234216 ° 1 -121.518200 ° -121.518324 °	
										DWR ID: DWR_RD0563_01_s_2012_1	
5	0.12	0.12	Earthen Levee	Trim / Thin Trees	LS M Ma	T1 : Trim trees to at least five feet above ground level.				38.234113 ° 38.234113 ° 59 -121.518467 ° -121.518467 °	
										DWR ID: DWR_RD0563_01_s_2013_59	
6	0.13	0.13	Earthen Levee	Trim / Thin Trees	WSA/W Ma	T1 : Trim trees to at least five feet above ground level.				38.234018 ° 38.234018 ° 4 -121.518547 ° -121.518547 ° Y	
										DWR ID: DWR_RD0563_01_s_2012_4	
7	0.14	0.16	Earthen Levee	Trim / Thin Trees	LS M Ma	T1 : Trim trees to at least five feet above ground level.				38.233910 ° 38.233655 ° 28 -121.518722 ° -121.519000 ° Y	
										DWR ID: DWR_RD0563_01_s_2012_28	
8	0.17	0.17	Earthen Levee	Encroachments	LS M En	BU : Building Inspector Comments: Tool shed and fire pit on landward slope and toe.				38.233572 ° 38.233572 ° 10 -121.519083 ° -121.519083 ° Y	
										DWR ID: DWR_RD0563_01_f_2013_10	
9	0.19	0.19	Earthen Levee	Encroachments	WS M Ma	TR : Tree or limb				38.233315 ° 38.233315 ° 32 -121.519360 ° -121.519360 ° Y	
										DWR ID: DWR_RD0563_01_s_2012_32	
10	0.20	0.20	Earthen Levee	Trim / Thin Trees	WSA/W Ma	T1 : Trim trees to at least five feet above ground level.				38.233126 ° 38.233126 ° 2 -121.519525 ° -121.519525 °	
										DWR ID: DWR_RD0563_01_s_2012_2	
11	0.21	0.21	Earthen Levee	Trim / Thin Trees	LS A/W Ma	T1 : Trim trees to at least five feet above ground level.				38.232967 ° 38.232967 ° 18 -121.519727 ° -121.519727 ° Y	
										DWR ID: DWR_RD0563_01_s_2012_18	
12	0.41	0.41	Earthen Levee	Slope Stability	WS M Ma	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. Inspector Comments: Slope damage is due to fishermen vehicle traffic.				38.230841 ° 38.230841 ° 16 -121.521898 ° -121.521898 ° Y	
										DWR ID: DWR_RD0563_01_f_2013_16	
13	0.45	0.45	Earthen Levee	Slope Stability	WS M Ma	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. Inspector Comments: Slope damage due to fishermen vehicle traffic.				38.230460 ° 38.230460 ° 26 -121.522324 ° -121.522324 ° Y	
										DWR ID: DWR_RD0563_01_f_2013_26	

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
MR No	Levee Mile		Category	Item	* Location Start	* Rating +	Action/Comment	GPS Latitude/Longitude		Issue No. Start	Photo
	Levee Mile	Bank						Start	End		
14	0.59	0.59	Earthen Levee	Slope Stability	WS Ma	M	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. Inspector Comments: Slope damage is due to fishermen vehicle traffic.	38.228948 ° -121.523904 °	38.228948 ° -121.523904 °	34 Y	DWR ID: DWR_RD0563_01_f_2013_34
15	0.68	0.71	Earthen Levee	Vegetation	LS En	U	V6 : Landscaping	38.228033 ° -121.525268 °	38.227777 ° -121.525627 °	50 Y	DWR ID: DWR_RD0563_01_s_2012_50
16	0.74	0.74	Earthen Levee	Encroachments	WS En	M	PI : Pipe Inspector Comments: Landowner installed a new black steel pipe.	38.227328 ° -121.525872 °	38.227328 ° -121.525872 °	62	DWR ID: DWR_RD0563_01_s_2013_62
17	0.80	0.80	Earthen Levee	Trim / Thin Trees	WS Ma	M	T1 : Trim trees to at least five feet above ground level.	38.226370 ° -121.525912 °	38.226370 ° -121.525912 °	3 Y	DWR ID: DWR_RD0563_01_s_2012_3
18	0.86	0.86	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping Inspector Comments: Cactus on landside toe.	° °	° °	61 Y	DWR ID: DWR_RD0563_01_f_2012_61
19	0.86	0.86	Earthen Levee	Encroachments	WS Ma	M	PR : Prunings Inspector Comments: Prunings on waterside slope	38.225685 ° -121.526288 °	38.225685 ° -121.526288 °	9 Y	DWR ID: DWR_RD0563_01_s_2012_9
20	0.95	0.95	Earthen Levee	Encroachments	CR En	M	FE : Fence Inspector Comments: New gate across levee crown and pump shed on waterside slope	38.225575 ° -121.527815 °	38.225575 ° -121.527815 °	13 Y	DWR ID: DWR_RD0563_01_s_2012_13
21	0.98	0.98	Earthen Levee	Encroachments	CR Ma	M	PI : Pipe Inspector Comments: Abandoned pipe should be removed.	38.225813 ° -121.528198 °	38.225813 ° -121.528198 °	937 Y	DWR ID: DWR_RD0563_01_s_2012_937
22	1.04	1.13	Supplemental Survey	USACE Erosion	WS Ma	M	Inspector Comments: 2011 - Short sections of eroding bank at the waterline and holes in toe of levee. 2012: Site extended upstream. [2012 Site ID: GEO_11-0_L]	38.226522 ° -121.529094 °	38.227157 ° -121.530432 °	38 Y	DWR ID:
23	1.12	1.15	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping	38.226933 ° -121.530307 °	38.227037 ° -121.530850 °	54 Y	DWR ID: DWR_RD0563_01_s_2012_54
24	1.21	1.21	Earthen Levee	Encroachments	WS En	M	PR : Prunings	38.226748 ° -121.531756 °	38.226748 ° -121.531756 °	69 Y	DWR ID: DWR_RD0563_01_f_2013_69
25	1.21	1.21	Earthen Levee	Encroachments	LS Ma	M	FW : Firewood Inspector Comments: Firewood at landside toe.	° °	° °	63 Y	DWR ID: DWR_RD0563_01_f_2012_63
26	1.23	1.25	Earthen Levee	Encroachments	LS En	A/W	FW : Firewood	38.226558 ° -121.532088 °	38.226155 ° -121.532427 °	65 Y	DWR ID: DWR_RD0563_01_s_2013_65
27	1.25	1.25	Earthen Levee	Trim / Thin Trees	LS Ma	M	T1 : Trim trees to at least five feet above ground level.	38.226326 ° -121.532298 °	38.226326 ° -121.532298 °	5 Y	DWR ID: DWR_RD0563_01_s_2012_5

* Location LS : Land Side WS : Water Side CR : Crown

** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain
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+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector	
MR No	Levee Mile		Category	Item	* Location Start	* Rating +	Action/Comment			GPS Latitude/Longitude	Issue No.
	Levee Mile	Start								Start	End
	Unit No. 01 Georgiana Slough (Tyler Island)							Left	12.38	10/15/2013 10/16/2013	Richard Willoughby
28	1.25	1.25	Earthen Levee	Encroachments	LS A/W Ma	TR : Tree or limb Inspector Comments: Broken tree branches on landward slope.				° ° °	103 Y
	DWR ID: DWR_RD0563_01_s_2013_103										
29	1.25	1.25	Earthen Levee	Encroachments	LS M En	BU : Building Inspector Comments: Landowner is stacking firewood and other items on landside slope and toe.			38.226345 ° -121.532332 °	38.226345 ° -121.532332 °	57 Y
	DWR ID: DWR_RD0563_01_s_2012_57										
30	1.30	1.30	Earthen Levee	Trim / Thin Trees	LS A/W Ma	T1 : Trim trees to at least five feet above ground level. Inspector Comments: Trees located at landside toe.			38.225730 ° -121.532824 °	38.225730 ° -121.532824 °	64 Y
	DWR ID: DWR_RD0563_01_f_2012_64										
31	1.35	1.35	Earthen Levee	Trim / Thin Trees	LS M Ma	T1 : Trim trees to at least five feet above ground level.			38.225177 ° -121.533285 °	38.225177 ° -121.533285 °	79
	DWR ID: DWR_RD0563_01_f_2013_79										
32	1.39	1.39	Earthen Levee	Trim / Thin Trees	LS M Ma	T1 : Trim trees to at least five feet above ground level.			38.224690 ° -121.533731 °	38.224690 ° -121.533731 °	7
	DWR ID: DWR_RD0563_01_s_2012_7										
33	1.42	1.42	Earthen Levee	Encroachments	WSA/W Ma	TR : Tree or limb Inspector Comments: Broken tree along waterside slope.			38.224367 ° -121.534165 °	38.224367 ° -121.534165 °	19 Y
	DWR ID: DWR_RD0563_01_s_2012_19										
34	1.43	1.43	Earthen Levee	Vegetation	LS M En	V6 : Landscaping			38.224351 ° -121.534209 °	38.224351 ° -121.534209 °	86 Y
	DWR ID: DWR_RD0563_01_f_2013_86										
35	1.43	1.43	Earthen Levee	Encroachments	LS U En	BU : Building Inspector Comments: Tool shed, animal storage container, and landscaping on waterside slope and toe.			38.224315 ° -121.534288 °	38.224315 ° -121.534288 °	8 Y
	DWR ID: DWR_RD0563_01_s_2012_8										
36	1.44	1.48	Earthen Levee	Vegetation	WS M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove century plant from waterward shoulder.			38.224280 ° -121.534377 °	38.224000 ° -121.535038 °	6 Y
	DWR ID: DWR_RD0563_01_s_2012_6										
37	1.47	1.47	Earthen Levee	Trim / Thin Trees	LS A/W Ma	T1 : Trim trees to at least five feet above ground level.			38.224072 ° -121.534827 °	38.224072 ° -121.534827 °	30
	DWR ID: DWR_RD0563_01_s_2012_30										
38	1.54	1.54	Earthen Levee	Trim / Thin Trees	LS A/W Ma	T1 : Trim trees to at least five feet above ground level.			38.223700 ° -121.536157 °	38.223700 ° -121.536157 °	52
	DWR ID: DWR_RD0563_01_s_2012_52										
39	1.63	1.63	Earthen Levee	Trim / Thin Trees	LS A/W Ma	T1 : Trim trees to at least five feet above ground level.			38.223332 ° -121.537635 °	38.223332 ° -121.537635 °	56
	DWR ID: DWR_RD0563_01_s_2012_56										
40	1.68	1.77	Earthen Levee	Animal Control	LS M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.			38.222967 ° -121.540055 °	38.222967 ° -121.540055 °	83 Y
	DWR ID: DWR_RD0563_01_s_2012_83										

* Location
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A/W : Acceptable but Monitor & Maintain

+ Issue Type
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Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
MR No	Levee Mile		Category	Item	* Location	* Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End						Start	End		
41	1.86	1.86	Earthen Levee	Encroachments	LS M En	ST : Stairway Inspector Comments: Landowner has built a pad on the landside shoulder, 60' x 15', for a metal walkway leading from the house to a pad with a concrete deadman. Landowner also installed a temporary stairway on landside slope and stairway on waterside slope. Electrical conduit on landside toe.	38.222702 ° -121.541678 °	38.222702 ° -121.541678 °	60 Y		
42	1.98	1.98	Earthen Levee	Encroachments	LS M Ma	PR : Prunings Inspector Comments: Large pruning pile at landward toe.	38.222094 ° -121.543435 °	38.222094 ° -121.543435 °	96 Y		
43	2.00	2.00	Earthen Levee	Erosion / Bank Caving	LS M Ma	E1 : Note and monitor erosion site. Inspector Comments: Erosion around irrigation pump house and pipe on landside slope.	° °	° °	71 Y		
44	2.13	2.24	Earthen Levee	Animal Control	LS M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	38.220028 ° -121.542922 °	38.218494 ° -121.542646 °	14 DWR ID: DWR_RD0563_01_s_2012_14		
45	2.23	2.23	Earthen Levee	Encroachments	WS M En	EQ : Equipment Inspector Comments: Landowner installed metal box around siphon breaker.	38.218575 ° -121.542668 °	38.218575 ° -121.542668 °	15 Y		
46	2.24	2.24	Earthen Levee	Animal Control	LS M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Rodent holes on landside shoulder.	38.218463 ° -121.542650 °	38.218463 ° -121.542650 °	33 Y		
47	2.37	12.28	Earthen Levee	Crown Surface / Depressions / Rutting	CR M Ma	C3 : Add appropriate gravel or road base. Grade and compact.	38.216733 ° -121.541672 °	38.130665 ° -121.578055 °	66 DWR ID: DWR_RD0563_01_s_2013_66		
48	2.44	2.45	Earthen Levee	Vegetation	LS A/W Ma	V4 : Elderberries are blocking visibility and flood fight capability. Inspector Comments: District is controlling the elderberry.	38.216242 ° -121.540835 °	38.216147 ° -121.540612 °	11 Y		
49	2.44	2.44	Earthen Levee	Encroachments	LS M En	RA : Ramp Inspector Comments: Unauthorized ramp on landside slope.	° °	° °	72 Y		
50	2.46	2.46	Earthen Levee	Vegetation	WS M Ma	V4 : Elderberries are blocking visibility and flood fight capability.	38.216122 ° -121.540555 °	38.216047 ° -121.540415 °	12 Y		
51	2.58	2.61	Earthen Levee	Animal Control	LS M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.215082 ° -121.538652 °	38.214852 ° -121.538305 °	85 Y		
52	2.59	2.59	Earthen Levee	Trim / Thin Trees	WSA/W Ma	T1 : Trim trees to at least five feet above ground level.	38.215047 ° -121.538604 °	38.215047 ° -121.538604 °	20 DWR ID: DWR_RD0563_01_s_2012_20		

* Location
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** Rating	+ Issue Type
A : Acceptable	Ma : Maintenance Deficiency
M : Minimally Acceptable	Ob : Design & System Obsolescence
U : Unacceptable	En : Enforcement

FINAL DATA

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
MR No	Levee Mile		Category	Item	* Location Start	* Rating +	Action/Comment	GPS Latitude/Longitude		Issue No. Start	
	Levee Mile End	Category						Location End	Rating +	Start	End
53	2.62	2.62	Earthen Levee	Encroachments	LS	M	RA : Ramp Inspector Comments: Landowner installed unauthorized ramp on landside slope.	°	°	80	DWR ID: DWR_RD0563_01_f_2012_80
54	2.64	2.71	Earthen Levee	Trim / Thin Trees	WSA/W	T1	: Trim trees to at least five feet above ground level. Ma	38.214567 °	38.213728 °	21	-121.537945 ° -121.537272 ° DWR ID: DWR_RD0563_01_s_2012_21
55	2.67	2.87	Supplemental USACE Erosion Survey	Erosion	WS	M	Inspector Comments: 1997 - Loss of rock at toe; pockets of upper berm erosion; very narrow berm width; toe rock problem; erosion pockets in rock. 2002 - New brush boxes at toe of the worst spots. 2005 - Upstream 200 ft removed because of the wide berm. 2006 - Some rock repair pockets behind the brush boxes at the upstream end. 2010 - Some new erosion. 2012: No observed change. [2012 Site ID: GEO_9-3_L]	38.214133 °	38.211737 °	39	-121.537778 ° -121.535436 ° Y
56	2.95	2.95	Earthen Levee	Encroachments	LS	M	MA : Material Inspector Comments: Landowner stockpiled concrete rubble on landward and waterward slope to stop trespassers. Landowner should replace the stockpile with a proper fence.	38.210966 °	38.210966 °	104	-121.534813 ° -121.534813 ° Y
57	3.00	3.00	Earthen Levee	Vegetation	LS	M	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Vines (Berry or wildroses) on landside toe.	38.210402 °	38.210402 °	67	-121.535268 ° -121.535268 ° DWR ID: DWR_RD0563_01_s_2012_67
58	3.09	3.28	Earthen Levee	Vegetation	LS	U	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Dead berryvines at landside toe blocking view of toe.	38.210212 °	38.209165 °	74	-121.536728 ° -121.539920 ° Y
59	3.13	3.13	Earthen Levee	Slope Stability	LS	M	S1 : Repair slope instability. Ma	38.210240 °	38.210240 °	78	-121.537517 ° -121.537517 ° Y
60	3.28	3.28	Earthen Levee	Trim / Thin Trees	LS	U	T2 : Thin trees to allow visibility of the ground and room to flood fight. Ma	38.209217 °	38.209217 °	68	-121.539823 ° -121.539823 ° Y
61	3.30	3.30	Earthen Levee	Encroachments	LS	C	TR : Tree or limb Inspector Comments: Tree limbs on landside slope.	°	°	81	DWR ID: DWR_RD0563_01_f_2012_81
62	3.50	3.50	Earthen Levee	Vegetation	LS	M	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Vegetation at landward toe.	°	°	84	DWR ID: DWR_RD0563_01_f_2012_84

* Location LS : Land Side WS : Water Side CR : Crown

** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain
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+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector	
L/MR No	Levee Mile		Category	Item	* Location Start	* Rating +	Action/Comment	GPS Latitude/Longitude		Issue No. Start	Photo	
	Levee Mile	End						Start	End			
63	4.00	4.10	Supplemental USACE Erosion Survey	WS	M	Ma	Inspector Comments: 1997 - Narrow eroding berm upstream of existing rock. 2001 - Staked, low fascine walls at bankline. 2011 - Minor new erosion. Site extended downstream. 2012: Rock repair failing in one erosion pocket. [2012 Site ID: GEO_8-3_L]	38.200733 °	38.199925 °	40	-121.542571 °	-121.544249 ° Y
											DWR ID:	
64	4.05	4.19	Earthen Levee	Encroachments	LS	M	DT : Ditch	38.200238 °	38.198830 °	17	-121.543308 °	-121.544913 ° Y
						En					DWR ID: DWR_RD0563_01_s_2013_17	
65	4.48	4.70	Earthen Levee	Encroachments	LS	M	DT : Ditch	°	°	93	Ob	Inspector Comments: Ditch at landside toe should be removed.
											DWR ID: DWR_RD0563_01_f_2012_93	
66	4.73	4.80	Earthen Levee	Trim / Thin Trees	LS	M	T2 : Thin trees to allow visibility of the ground and room to flood fight.	38.193078 °	38.193078 °	88	-121.551047 °	-121.551047 ° Y
						Ma					DWR ID: DWR_RD0563_01_s_2012_88	
67	5.00	5.06	Supplemental USACE Erosion Survey	WS	M	Ma	Inspector Comments: 2009 - Small scallops of erosion into the levee toe behind brush boxes. 2011 - Minor new erosion. 2012: Site extended upstream to account for addition erosion pockets. [2012 Site ID: GEO_7-2_L]	38.190073 °	38.189524 °	41	-121.556307 °	-121.557227 ° Y
											DWR ID:	
68	5.17	5.41	Supplemental USACE Erosion Survey	WS	U	Ma	Inspector Comments: 1997 - Deep pockets of erosion into a narrow berm just downstream of the rock. 2000 - Scallops in banks with small colored flags, some new biotech rolls in with older rolls in the scallops. 2001 - Staked , low fascine walls at the bankline. 2011 - Site upgraded to CRITICAL. Site extended upstream due to new erosion pocket. New tree popouts and new erosion. 2012: No observed change. [2012 Site ID: GEO_6-8_L]	38.188216 °	38.185968 °	42	-121.558442 °	-121.561667 ° Y
											DWR ID:	
69	5.51	6.29	Supplemental USACE Erosion Survey	WS	M	Ma	Inspector Comments: 1997 - Deep pockets of erosion and narrow berm. Reach is characterized by lots of pockets into the existing berm and/or levee slope. 1999 - Some pockets filled with rock riprap. 2000 - Exposed fabric. 2001 - Staked, low fascine walls at bankline. 2002 - New spot of rock at upstream end. Some new brush boxes. 2005 - Some stone sliding off the underlying geotextile fabric. Some new brush bundles in the brush boxes; some with missing bundles. Some boxes too low relative to high tide. 2009 - Minimal new erosion, site length extended. 2010 - New erosion on downstream end, site extended downstream. 2011 - Sites 6.1, 6.4 and 6.6 were combined. New erosion pockets, site extended to include the erosion in between the old sites. 2012: Rock has been placed in portions of the bank since last year. [2012 Site ID: GEO_6-3_L]	38.185479 °	38.181359 °	43	-121.563296 °	-121.576292 ° Y
											DWR ID:	
70	5.51	5.55	Earthen Levee	Trim / Thin Trees	LS	M	T1 : Trim trees to at least five feet above ground level.	38.185772 °	38.185595 °	24	-121.561613 °	-121.562228 °
						Ma					DWR ID: DWR_RD0563_01_s_2013_24	

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating	+ Issue Type
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M : Minimally Acceptable	Ob : Design & System Obsolescence
U : Unacceptable	En : Enforcement
A/W : Acceptable but Monitor & Maintain	

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
LMR No	Levee Mile		Category	Item	* Location + Rating	Action/Comment				GPS Latitude/Longitude	Issue No.
	Start	End				Start	End	Photo			
71	6.04	6.08	Earthen Levee	Vegetation	LS U Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Large cactus on landward slope.			38.181965 ° 38.181763 ° 22 -121.569913 ° -121.570447 ° Y		DWR ID: DWR_RD0563_01_s_2012_22
72	6.09	6.09	Earthen Levee	Trim / Thin Trees	LS M Ma	T1 : Trim trees to at least five feet above ground level.			38.181732 ° 38.181732 ° 35 -121.570524 ° -121.570524 °		DWR ID: DWR_RD0563_01_s_2012_35
73	6.10	6.10	Earthen Levee	Trim / Thin Trees	LS M Ma	T1 : Trim trees to at least five feet above ground level.			° ° 94		DWR ID: DWR_RD0563_01_f_2012_94
74	6.13	6.13	Earthen Levee	Trim / Thin Trees	LS M Ma	T1 : Trim trees to at least five feet above ground level.			38.181503 ° 38.181503 ° 70 -121.571263 ° -121.571263 °		DWR ID: DWR_RD0563_01_s_2012_70
75	6.39	6.41	Earthen Levee	Trim / Thin Trees	LS M Ma	T1 : Trim trees to at least five feet above ground level.			38.181273 ° 38.181165 ° 23 -121.575873 ° -121.576217 °		DWR ID: DWR_RD0563_01_s_2012_23
76	6.60	6.72	Earthen Levee	Vegetation	LS U En	V6 : Landscaping			38.179250 ° 38.177533 ° 25 -121.578347 ° -121.579087 ° Y		DWR ID: DWR_RD0563_01_s_2012_25
77	6.78	7.44	Supplemental USACE Erosion Survey	WS M	Ma	Inspector Comments: 1997 - Pocket erosion into the toe of the levee. 2000 - Scallops in banks with small colored flags, biotech rolls present. 2001 - Staked, low fascine walls at bankline. 2003 - Still have visibly bad spots, especially at the upstream end. 2005 - Some new brush bundles in the brush boxes; some with missing bundles. Some boxes too low relative to high tide. 2010 - Site extended upstream. 2011 - Minor new erosion. 2012: No observed change. [2012 Site ID: GEO_5-3_L]			38.176861 ° 38.167959 ° 44 -121.579747 ° -121.581616 ° Y		DWR ID:
78	6.87	6.87	Earthen Levee	Encroachments	WS M Ma	TR : Tree or limb			38.175444 ° 38.175444 ° 105 -121.580054 ° -121.580054 °		DWR ID: DWR_RD0563_01_f_2013_105
79	6.90	6.94	Earthen Levee	Trim / Thin Trees	LS U Ma	T1 : Trim trees to at least five feet above ground level.			38.175190 ° 38.174610 ° 27 -121.580035 ° -121.579948 ° Y		DWR ID: DWR_RD0563_01_s_2012_27
80	6.94	7.02	Earthen Levee	Vegetation	LS M En	V6 : Landscaping			38.174598 ° 38.173560 ° 75 -121.579972 ° -121.579725 °		DWR ID: DWR_RD0563_01_s_2013_75
81	6.97	6.97	Earthen Levee	Encroachments	WS M En	TR : Tree or limb Inspector Comments: Broken tree branch on waterward slope.			38.174235 ° 38.174235 ° 82 -121.579898 ° -121.579898 ° Y		DWR ID: DWR_RD0563_01_s_2012_82
82	7.04	7.04	Earthen Levee	Trim / Thin Trees	LS M Ma	T1 : Trim trees to at least five feet above ground level.			38.173323 ° 38.173323 ° 87 -121.579628 ° -121.579628 °		DWR ID: DWR_RD0563_01_s_2013_87
83	7.10	7.10	Earthen Levee	Encroachments	WS M Ma	PR : Prunings			° ° 95		DWR ID: DWR_RD0563_01_f_2012_95

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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)							Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

LMR No.	Levee Mile Start	Category	Item	* Location +	** Rating +	Action/Comment	GPS Latitude/Longitude		Issue No. Start	Photo
							Start	End		

84	7.56	7.82	Supplemental USACE Erosion Survey	WS	U Ma	Inspector Comments: 1997 - Pocket erosion at upstream end and into the levee toe under the Alder trees. 2003 - New brush boxes with wattles on bank. 2004 - No brush boxes. 2005 - Site extended from the downstream side of the bridge. Whole bank is vertical. 2010 - Some minor new erosion. 2011 - Site upgraded to CRITICAL. New erosion pockets throughout the site. Sites 4.5, and 4.6 were combined. 2012: No observed change. [2012 Site ID: GEO_4-5_L]	38.164462 ° -121.583092 °	38.160888 ° -121.584807 °	45 Y	DWR ID:
85	7.66	7.66	Earthen Levee	Encroachments	WS M Ma	TR : Tree or limb Inspector Comments: Broken tree branch on waterside slope.	38.164927 ° -121.582680 °	38.164927 ° -121.582680 °	89 Y	DWR ID: DWR_RD0563_01_s_2012_89
86	7.79	7.79	Earthen Levee	Slope Stability	LS M Ma	S1 : Repair slope instability. Inspector Comments: Minor erosion on landside shoulder and slope.	38.163240 ° -121.583328 °	38.163240 ° -121.583328 °	97 Y	DWR ID: DWR_RD0563_01_s_2013_97
87	7.87	8.07	Supplemental USACE Erosion Survey	WS M Ma		Inspector Comments: 1997 - Pockets of erosion into the levee toe. 1999 - Minor rock riprap and willow bundles place in a couple of spots. 2001 - Staked, low fascine walls at bankline. 2003 - Small unprotected pockets still eroding. 2004 - Numerous brush boxes, some falling apart, some with new bundles. 2005 - Some new brush boxes installed; some boxes are empty. Levee slope and banks still look bad with pocket scallops into the levee slopes. 2011 - Erosion continues and the number of pockets is increasing. 2012: No observed change. [2012 Site ID: GEO_4-3_L]	38.160261 ° -121.585056 °	38.157625 ° -121.586543 °	46 Y	DWR ID:
88	7.91	7.95	Earthen Levee	Trim / Thin Trees	LS M Ma	T1 : Trim trees to at least five feet above ground level.	38.161607 ° -121.584258 °	38.161092 ° -121.584470 °	29 Y	DWR ID: DWR_RD0563_01_s_2012_29
89	7.97	8.10	Earthen Levee	Vegetation	LS M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Berryvines and willows on landside toe.	38.160800 ° -121.584598 °	38.160487 ° -121.584717 °	90 Y	DWR ID: DWR_RD0563_01_s_2012_90
90	8.28	8.76	Supplemental USACE Erosion Survey	WS U Ma		Inspector Comments: 1997 - Pockets of erosion into the levee at the water line. Alders are being undercut and rotating out into the channel. Damaged rock at upstream end. 2000 - New minor erosion. 2001 - Staked low fascine walls at bankline. 2002 - New "Brush Boxes" along the bank toe. 2003 - New erosion pockets in the middle of the site. 2005 - Some new bundles in the brush boxes. 2011 - Site upgraded to CRITICAL. Significant new erosion. Sites 3.6, 3.7, 3.71, and 4.0 were combined. 2012: Rock has been placed in some of the erosion pockets since last year, however site remains critical. [2012 Site ID: GEO_3-8_L]	38.156987 ° -121.587427 °	38.152919 ° -121.591129 °	48 Y	DWR ID:

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
LWR No	Levee Mile		Category	Item	* Location Start	* Rating +	Action/Comment	GPS Latitude/Longitude		Issue No. Start	Photo
	Start	End						Start	End		
91	8.52	8.62	Earthen Levee	Trim / Thin Trees	LS Ma	M	T1 : Trim trees to at least five feet above ground level.	38.156453 °	38.155005 °	31	
								-121.591218 °	-121.591640 °		
								DWR ID: DWR_RD0563_01_s_2012_31			
92	9.42	9.42	Earthen Levee	Trim / Thin Trees	LS Ma	M	T1 : Trim trees to at least five feet above ground level.	38.146164 °	38.145913 °	37	
								-121.587538 °	-121.588193 °		
								DWR ID: DWR_RD0563_01_s_2012_37			
93	9.42	9.42	Earthen Levee	Animal Control	LS Ma	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.145909 °	38.145909 °	106	
								-121.588198 °	-121.588198 °		
								DWR ID: DWR_RD0563_01_f_2013_106			
94	9.45	9.45	Earthen Levee	Trim / Thin Trees	LS Ma	M	T1 : Trim trees to at least five feet above ground level.	38.145825 °	38.145825 °	98	
								-121.588807 °	-121.588807 °		
								DWR ID: DWR_RD0563_01_s_2013_98			
95	9.50	9.50	Earthen Levee	Encroachments	LS Ma	U	PR : Prunings	38.145957 °	38.145957 °	73	
								-121.589653 °	-121.589653 °	Y	
								DWR ID: DWR_RD0563_01_s_2012_73			
96	9.74	9.92	Supplemental USACE Erosion Survey	WS Ma	M		Inspector Comments: 1997 - Erosion pockets into the toe of the levee. 2001 - Staked low fascine walls at the bankline. 2004 - Numerous "Brush Boxes." 2005 - Some new bundles in the brush boxes. 2012: Site extended downstream to account for new bank sloughing. [2012 Site ID: GEO_2-5_L]	38.150820 °	38.150647 °	49	
								-121.593650 °	-121.596858 °	Y	
								DWR ID:			
97	9.81	9.81	Earthen Levee	Vegetation	LS Ma	M	V4 : Elderberries are blocking visibility and flood fight capability.	38.149790 °	38.149790 °	36	
								-121.592788 °	-121.592788 °		
								DWR ID: DWR_RD0563_01_s_2012_36			
98	9.83	9.83	Earthen Levee	Erosion / Bank Caving	LS Ma	M	E1 : Note and monitor erosion site.	38.149905 °	38.149905 °	99	
								-121.592910 °	-121.592910 °		
								DWR ID: DWR_RD0563_01_s_2013_99			
99	10.00	10.00	Earthen Levee	Encroachments	WS Ma	M	PR : Prunings	38.150943 °	38.150943 °	947	
								-121.595488 °	-121.595488 °		
								DWR ID: DWR_RD0563_01_s_2012_947			
100	10.17	10.29	Supplemental USACE Erosion Survey	WS Ma	U		Inspector Comments: 2009 - Upgraded to full erosion site. Small scour pockets and mid slope wave wash. 2010 - New rock and freshly fallen trees. 2011 - Site upgraded to CRITICAL. Significant new erosion. Rotational failures for the full height of the levee. 2012: Some rock has been placed in last year, however the site remains critical. [2012 Site ID: GEO_2-0_L]	38.147537 °	38.145994 °	51	
								-121.599433 °	-121.600581 °	Y	
								DWR ID:			
101	10.46	10.76	Supplemental USACE Erosion Survey	WS Ma	M		Inspector Comments: 1997 - Old damaged rock riprap along the toe. 1999 - Downstream end (400 ft) repaired with rock. 2002 - New rock/concrete rubble section on the downstream end. 2004 - Small pocket repairs at the downstream end. 2005 - Some new bundles in the brush boxes. 2012: Some rock has been placed in last year. [2012 Site ID: GEO_1-7_L]	38.143519 °	38.139918 °	53	
								-121.599677 °	-121.596986 °	Y	
								DWR ID:			

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A/W : Acceptable but Monitor & Maintain		Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
MR No	Levee Mile		Category	Item	* Location Start	* Rating +	Action/Comment	GPS Latitude/Longitude		Issue No. Start	Photo
	Levee Mile	Levee Mile						Start	End		
102	10.77	10.77	Earthen Levee	Slope Stability	LS Ma	U	S1 : Repair slope instability. Inspector Comments: Deep depression on landside shoulder and slope; possible pipe collapse.	38.141940 °	38.141940 °	76	DWR ID: DWR_RD0563_01_s_2012_76
								-121.598033 °	-121.598033 °	Y	
103	10.82	10.82	Earthen Levee	Animal Control	LS Ma	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.141362 °	38.141362 °	77	DWR ID: DWR_RD0563_01_s_2012_77
								-121.597598 °	-121.597598 °		
104	11.37	11.59	Earthen Levee	Encroachments	WSA/W Ma	PR	: Prunings	38.133556 °	38.132462 °	952	DWR ID: DWR_RD0563_01_s_2012_952
								-121.590641 °	-121.589452 °		
105	11.49	11.78	Earthen Levee	Vegetation	LS Ma	M	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Wild rose or grape vines on landward slope and toe.	38.134880 °	38.130448 °	100	DWR ID: DWR_RD0563_01_s_2013_100
								-121.592180 °	-121.587087 °		
106	11.63	11.63	Earthen Levee	Animal Control	LS Ma	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.131943 °	38.131943 °	91	DWR ID: DWR_RD0563_01_s_2012_91
								-121.588912 °	-121.588912 °	Y	
107	11.69	12.04	Supplemental USACE Erosion Survey	WS	Ma	M	Inspector Comments: 1997 - Erosion pockets into the levee toe. 1999 - Some small pockets fixed with rock riprap. 2002 - New "brush boxes" along the bank toe. 2005 - Brush boxes are empty. Some pockets are filled with new stone. 2006 - Some new rock at the downstream end (~100 ft long). Several small pockets of new rock in scallops. Brush boxes in poor to fair condition. 2010 - Site looks a little worse, some toe rock but still has erosion scars at lower to mid slope. 2011 - Site upgraded to CRITICAL. Significant new erosion. Erosion scallops are vertical and almost the height of the levee. 2012: Rock has been placed in some of the erosion scallops and therefore the site is no longer critical. [2012 Site ID: GEO_0-3_L]	38.131126 °	38.130368 °	55	DWR ID:
								-121.588337 °	-121.582266 °	Y	
108	11.84	12.18	Earthen Levee	Vegetation	LS Ma	M	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.130152 °	38.130742 °	92	DWR ID: DWR_RD0563_01_s_2012_92
								-121.585950 °	-121.579828 °		
109	12.08	12.08	Earthen Levee	Encroachments	LS Ma	A/W	PR : Prunings	38.130607 °	38.130607 °	954	DWR ID: DWR_RD0563_01_s_2012_954
								-121.581710 °	-121.581710 °		
110	12.21	12.21	Earthen Levee	Encroachments	WS Ma	M	GA : Garbage	38.130776 °	38.130776 °	107	DWR ID: DWR_RD0563_01_f_2013_107
								-121.579063 °	-121.579063 °		
111	12.23	12.23	Earthen Levee	Trim / Thin Trees	LS Ma	M	T1 : Trim trees to at least five feet above ground level.	38.130758 °	38.130758 °	47	DWR ID: DWR_RD0563_01_s_2012_47
								-121.579027 °	-121.579027 °		

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	6
Start Levee Mile	0.13
End Levee Mile	0.13
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking southwest at overgrown tree on waterside slope.	
richard_f_20130930_589.jpg	



Levee Mile Report Line	7
Start Levee Mile	0.14
End Levee Mile	0.16
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking southeast at landscaping on landside slope and toe.	
richard_f_20130930_610.jpg	



Levee Mile Report Line	7
Start Levee Mile	0.14
End Levee Mile	0.16
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking east at sprinklers on landside slope.	
richard_f_20130930_611.jpg	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	8
Start Levee Mile	0.17
End Levee Mile	0.17
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking east at fire pit on landward slope.	
richard_f_20131021_093.JPG	



Levee Mile Report Line	8
Start Levee Mile	0.17
End Levee Mile	0.17
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking southeast at storage shed at landward toe.	
richard_f_20131021_094.JPG	



Levee Mile Report Line	8
Start Levee Mile	0.17
End Levee Mile	0.17
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking southeast at fire pit on landward slope.	
richard_f_20131021_095.JPG	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	9
Start Levee Mile	0.19
End Levee Mile	0.19
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking south (downstream) at fallen tree limb on waterside slope.	
richard_f_20130930_612.jpg	



Levee Mile Report Line	11
Start Levee Mile	0.21
End Levee Mile	0.21
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking southwest at overgrown trees on landside slope.	
richard_f_20130930_603.jpg	



Levee Mile Report Line	12
Start Levee Mile	0.41
End Levee Mile	0.41
Location	Water Side
Category	Earthen Levee
Item	Slope Stability
Looking southwest at slope damage caused by vehicle traffic.	
richard_f_20131021_096.JPG	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	13
Start Levee Mile	0.45
End Levee Mile	0.45
Location	Water Side
Category	Earthen Levee
Item	Slope Stability
Looking northwest at slope damage caused by vehicle traffic.	
richard_f_20131021_097.JPG	



Levee Mile Report Line	14
Start Levee Mile	0.59
End Levee Mile	0.59
Location	Water Side
Category	Earthen Levee
Item	Slope Stability
Looking northwest at slope damage caused by vehicle traffic.	
richard_f_20131021_098.JPG	



Levee Mile Report Line	15
Start Levee Mile	0.68
End Levee Mile	0.71
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking southeast at dense landscaping on landside slope.	
richard_f_20130930_659.JPG	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	15
Start Levee Mile	0.68
End Levee Mile	0.71
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking northwest at dense landscaping on landside slope.	
richard_f_20130930_660.JPG	



Levee Mile Report Line	17
Start Levee Mile	0.80
End Levee Mile	0.80
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking southwest at overgrown trees on waterside slope.	
richard_f_20130930_587.jpg	



Levee Mile Report Line	17
Start Levee Mile	0.80
End Levee Mile	0.80
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking south at trimmed trees on waterward slope. (Spring 2013)	
richard_f_20130930_588.JPG	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	18
Start Levee Mile	0.86
End Levee Mile	0.86
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking northwest at cactus along landside toe.	
richard_f_20130930_689.JPG	



Levee Mile Report Line	19
Start Levee Mile	0.86
End Levee Mile	0.86
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking southwest at tree limbs on waterside slope.	
richard_f_20130930_595.JPG	



Levee Mile Report Line	20
Start Levee Mile	0.95
End Levee Mile	0.95
Location	Crown
Category	Earthen Levee
Item	Encroachments
Looking south at pump shed on waterside slope and gate across levee crown.	
richard_f_20130930_599.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	21
Start Levee Mile	0.98
End Levee Mile	0.98
Location	Crown
Category	Earthen Levee
Item	Encroachments
Looking southwest at pipe on waterside slope.	
richard_f_20130930_730.jpg	



Levee Mile Report Line	21
Start Levee Mile	0.98
End Levee Mile	0.98
Location	Crown
Category	Earthen Levee
Item	Encroachments
Looking southwest at abandoned pipe on landside slope.	
richard_f_20130930_731.jpg	



Levee Mile Report Line	22
Start Levee Mile	1.04
End Levee Mile	1.13
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #1	
USACE2013_GEO_11-0_L_1.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	23
Start Levee Mile	1.12
End Levee Mile	1.15
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Looking east at landscaping on landside slope.

richard_f_20130930_668.jpg



Levee Mile Report Line	25
Start Levee Mile	1.21
End Levee Mile	1.21
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking southwest at firewood at landside toe.

richard_f_20130930_690.JPG



Levee Mile Report Line	25
Start Levee Mile	1.21
End Levee Mile	1.21
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking east at firewood stacked at landward toe.

richard_f_20131021_099.JPG



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	26
Start Levee Mile	1.23
End Levee Mile	1.25
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking south at firewood piled on landward and waterward shoulder.	
richard_f_20130930_692.JPG	



Levee Mile Report Line	28
Start Levee Mile	1.25
End Levee Mile	1.25
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking northeast at broken tree branch on landward slope.	
richard_f_20130930_729.JPG	



Levee Mile Report Line	29
Start Levee Mile	1.25
End Levee Mile	1.25
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking at a shed at landside toe.	
richard_f_20130930_675.jpg	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	29
Start Levee Mile	1.25
End Levee Mile	1.25
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking east at firewood and other materials stored on landside slope and toe.	
richard_f_20130930_676.jpg	



Levee Mile Report Line	30
Start Levee Mile	1.30
End Levee Mile	1.30
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking southeast at fruit trees on landside toe.	
richard_f_20130930_691.JPG	



Levee Mile Report Line	33
Start Levee Mile	1.42
End Levee Mile	1.42
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking south at a downed tree on waterside slope.	
richard_f_20130930_604.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	34
Start Levee Mile	1.43
End Levee Mile	1.43
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Looking east at cactus at the landward toe.

richard_f_20131021_100.JPG



Levee Mile Report Line	34
Start Levee Mile	1.43
End Levee Mile	1.43
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Looking southeast at dense landscaping on the landward slope.

richard_f_20131021_101.JPG



Levee Mile Report Line	35
Start Levee Mile	1.43
End Levee Mile	1.43
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking east at landscaping and animal containers on the landside slope and toe.

richard_f_20130930_592.jpg



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	35
Start Levee Mile	1.43
End Levee Mile	1.43
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking southeast at a tool shed at the landside toe.	
richard_f_20130930_593.jpg	



Levee Mile Report Line	35
Start Levee Mile	1.43
End Levee Mile	1.43
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking northeast at a tool shed on the landward toe.	
richard_f_20130930_594.JPG	



Levee Mile Report Line	36
Start Levee Mile	1.44
End Levee Mile	1.48
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Century plant on waterward shoulder at LM 1.42	
richard_f_20130930_590.jpg	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	36
Start Levee Mile	1.44
End Levee Mile	1.48
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Updated view looking upstream at a century plant on waterside shoulder slope.



richard_f_20130930_591.jpg

Levee Mile Report Line	40
Start Levee Mile	1.68
End Levee Mile	1.77
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Looking west at rodent hole on landside slope.



richard_f_20130930_712.jpg

Levee Mile Report Line	41
Start Levee Mile	1.86
End Levee Mile	1.86
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Unauthorized retaining wall on landside toe.



richard_f_20130930_677.jpg

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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	41
Start Levee Mile	1.86
End Levee Mile	1.86
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking southeast at top of retaining wall.	
richard_f_20130930_678.jpg	



Levee Mile Report Line	41
Start Levee Mile	1.86
End Levee Mile	1.86
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking southeast at earthen pad on landside shoulder covering retaining wall.	
richard_f_20130930_679.jpg	



Levee Mile Report Line	41
Start Levee Mile	1.86
End Levee Mile	1.86
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking west at metal stairs on waterside slope.	
richard_f_20130930_680.jpg	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	41
Start Levee Mile	1.86
End Levee Mile	1.86
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking northeast metal walkway on landside of levee.	
richard_f_20130930_681.jpg	



Levee Mile Report Line	41
Start Levee Mile	1.86
End Levee Mile	1.86
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking north at deadman for metal walkway on earthen pad on landside shoulder.	
richard_f_20130930_682.jpg	



Levee Mile Report Line	41
Start Levee Mile	1.86
End Levee Mile	1.86
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking east at electrical conduit in trench on landside toe and concrete pad for walkway.	
richard_f_20130930_683.jpg	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	41
Start Levee Mile	1.86
End Levee Mile	1.86
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking east at metal walkway on landside.	
richard_f_20130930_684.jpg	



Levee Mile Report Line	41
Start Levee Mile	1.86
End Levee Mile	1.86
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking east at deadman on landside shoulder.	
richard_f_20130930_685.jpg	



Levee Mile Report Line	41
Start Levee Mile	1.86
End Levee Mile	1.86
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking southeast at temporary metal stairs on landside slope.	
richard_f_20130930_686.jpg	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	41
Start Levee Mile	1.86
End Levee Mile	1.86
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking southeast at framing for footings on landside shoulder.	
richard_f_20130930_687.jpg	



09/22/2013 12:41

Levee Mile Report Line	41
Start Levee Mile	1.86
End Levee Mile	1.86
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking south at retaining wall on landside shoulder. (Updated Spring 2012)	
richard_f_20130930_688.jpg	



Levee Mile Report Line	42
Start Levee Mile	1.98
End Levee Mile	1.98
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking southeast at prunings at landward toe.	
richard_f_20131021_102.JPG	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	43
Start Levee Mile	2.00
End Levee Mile	2.00
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Looking southwest at erosion around irrigation pipe on landside slope and toe.	
richard_f_20130930_694.JPG	



Levee Mile Report Line	43
Start Levee Mile	2.00
End Levee Mile	2.00
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Looking west at erosion at landside toe and slope next to pump house.	
richard_f_20130930_695.JPG	



Levee Mile Report Line	45
Start Levee Mile	2.23
End Levee Mile	2.23
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking south at siphon box installed on waterside shoulder.	
richard_f_20130930_600.jpg	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	46
Start Levee Mile	2.24
End Levee Mile	2.24
Location	Land Side
Category	Earthen Levee
Item	Animal Control
Looking southeast at squirrel holes on landside shoulder.	
richard_f_20130930_613.jpg	



10/22/2013 12:57

Levee Mile Report Line	48
Start Levee Mile	2.44
End Levee Mile	2.45
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking southeast at elderberry on the landside slope and toe.	
richard_f_20130930_596.jpg	



Levee Mile Report Line	48
Start Levee Mile	2.44
End Levee Mile	2.45
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Look southeast at updated (10/11) view of elderberries on landside slope.	
richard_f_20130930_597.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	49
Start Levee Mile	2.44
End Levee Mile	2.44
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking south at unauthorized ramp on landside slope.	
richard_f_20130930_696.JPG	



Levee Mile Report Line	50
Start Levee Mile	2.46
End Levee Mile	2.46
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Looking southwest at dense elderberry brush on waterside shoulder and slope.	
richard_f_20130930_598.jpg	



Levee Mile Report Line	51
Start Levee Mile	2.58
End Levee Mile	2.61
Location	Land Side
Category	Earthen Levee
Item	Animal Control
Looking west at rodent hole on landside slope.	
richard_f_20130930_713.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	51
Start Levee Mile	2.58
End Levee Mile	2.61
Location	Land Side
Category	Earthen Levee
Item	Animal Control
Looking northeast at rodent holes on landside slope.	
richard_f_20130930_714.jpg	



Levee Mile Report Line	51
Start Levee Mile	2.58
End Levee Mile	2.61
Location	Land Side
Category	Earthen Levee
Item	Animal Control
Looking southwest at rodent holes on landside slope.	
richard_f_20130930_715.jpg	



Levee Mile Report Line	51
Start Levee Mile	2.58
End Levee Mile	2.61
Location	Land Side
Category	Earthen Levee
Item	Animal Control
Looking east at rodent hole on landside slope.	
richard_f_20130930_716.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	53
Start Levee Mile	2.62
End Levee Mile	2.62
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking southeast at unauthorized ramp on landside slope.	
richard_f_20130930_709.JPG	



Levee Mile Report Line	53
Start Levee Mile	2.62
End Levee Mile	2.62
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking east at unauthorized ramp on landside slope.	
richard_f_20130930_710.JPG	



Levee Mile Report Line	55
Start Levee Mile	2.67
End Levee Mile	2.87
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #1	
USACE2013_GEO_9-3_L_1.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	55
Start Levee Mile	2.67
End Levee Mile	2.87
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #2

USACE2013_GEO_9-3_L_2.jpg



Levee Mile Report Line	55
Start Levee Mile	2.67
End Levee Mile	2.87
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #3

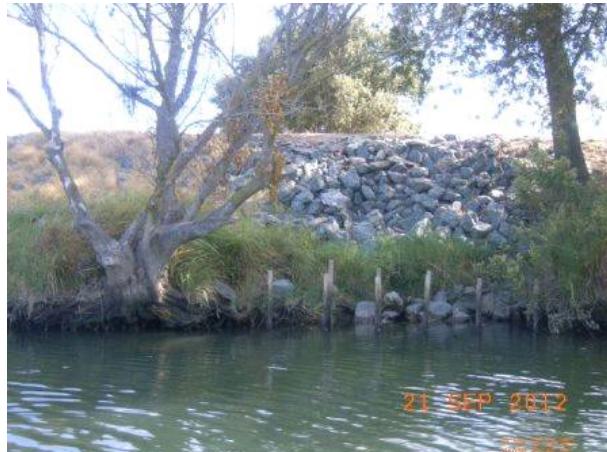
USACE2013_GEO_9-3_L_3.jpg



Levee Mile Report Line	55
Start Levee Mile	2.67
End Levee Mile	2.87
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #4

USACE2013_GEO_9-3_L_4.jpg



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	55
Start Levee Mile	2.67
End Levee Mile	2.87
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #5

USACE2013_GEO_9-3_L_5.jpg



Levee Mile Report Line	55
Start Levee Mile	2.67
End Levee Mile	2.87
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #6

USACE2013_GEO_9-3_L_6.jpg



Levee Mile Report Line	56
Start Levee Mile	2.95
End Levee Mile	2.95
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking east at concrete rubble on landward slope.

richard_f_20131021_103.JPG



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	56
Start Levee Mile	2.95
End Levee Mile	2.95
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking west at concrete rubble on waterward shoulder and slope.	
richard_f_20131021_104.JPG	



Levee Mile Report Line	58
Start Levee Mile	3.09
End Levee Mile	3.28
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking southeast at berryvines on landside toe.	
richard_f_20130930_699.jpg	



Levee Mile Report Line	58
Start Levee Mile	3.09
End Levee Mile	3.28
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking southeast at dead berryvine on landside toe.	
richard_f_20130930_700.jpg	



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CR : Crown

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	59
Start Levee Mile	3.13
End Levee Mile	3.13
Location	Land Side
Category	Earthen Levee
Item	Slope Stability
Looking east at slope erosion cause by runoff on landside slope.	
richard_f_20130930_705.jpg	



Levee Mile Report Line	59
Start Levee Mile	3.13
End Levee Mile	3.13
Location	Land Side
Category	Earthen Levee
Item	Slope Stability
Looking west at slope erosion cause by runoff on landside slope.	
richard_f_20130930_706.jpg	



Levee Mile Report Line	59
Start Levee Mile	3.13
End Levee Mile	3.13
Location	Land Side
Category	Earthen Levee
Item	Slope Stability
Looking east at slope erosion. (Updated Spring 2012)	
richard_f_20130930_707.jpg	



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WS : Water Side
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	59
Start Levee Mile	3.13
End Levee Mile	3.13
Location	Land Side
Category	Earthen Levee
Item	Slope Stability
Looking east at slope damage on 10/31/2012, no change in status.	
richard_f_20130930_708.JPG	



Levee Mile Report Line	60
Start Levee Mile	3.28
End Levee Mile	3.28
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking southeast at dense trees on landside slope and toe.	
richard_f_20130930_693.jpg	



Levee Mile Report Line	60
Start Levee Mile	3.28
End Levee Mile	3.28
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking south at dense trees on landward slope.	
richard_f_20131021_105.JPG	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	62
Start Levee Mile	3.50
End Levee Mile	3.50
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking southeast at dense berryvines on landward toe.	
richard_f_20131021_107.JPG	



Levee Mile Report Line	63
Start Levee Mile	4.00
End Levee Mile	4.10
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #1



Levee Mile Report Line	63
Start Levee Mile	4.00
End Levee Mile	4.10
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #2



USACE2013_GEO_8-3_L_2.jpg

* Location
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CR : Crown

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	63
Start Levee Mile	4.00
End Levee Mile	4.10
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #3

USACE2013_GEO_8-3_L_3.jpg



Levee Mile Report Line	63
Start Levee Mile	4.00
End Levee Mile	4.10
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #4

USACE2013_GEO_8-3_L_4.jpg



Levee Mile Report Line	64
Start Levee Mile	4.05
End Levee Mile	4.19
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking southwest at irrigation ditch on landward toe.

richard_f_20130930_601.JPG



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	64
Start Levee Mile	4.05
End Levee Mile	4.19
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking northeast at irrigation ditch on landward toe.	
richard_f_20130930_602.JPG	



Levee Mile Report Line	65
Start Levee Mile	4.48
End Levee Mile	4.70
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking south at irrigation ditch at landside toe.	
richard_f_20130930_726.JPG	



Levee Mile Report Line	66
Start Levee Mile	4.73
End Levee Mile	4.80
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking south at dense trees on landside slope and toe.	
richard_f_20130930_717.JPG	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	67
Start Levee Mile	5.00
End Levee Mile	5.06
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #1

USACE2013_GEO_7-2_L_1.jpg



Levee Mile Report Line	67
Start Levee Mile	5.00
End Levee Mile	5.06
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #2

USACE2013_GEO_7-2_L_2.jpg



Levee Mile Report Line	67
Start Levee Mile	5.00
End Levee Mile	5.06
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #3

USACE2013_GEO_7-2_L_3.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	67
Start Levee Mile	5.00
End Levee Mile	5.06
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #4



USACE2013_GEO_7-2_L_4.jpg

Levee Mile Report Line	68
Start Levee Mile	5.17
End Levee Mile	5.41
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #1



USACE2013_GEO_6-8_L_1.jpg

Levee Mile Report Line	68
Start Levee Mile	5.17
End Levee Mile	5.41
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #2



USACE2013_GEO_6-8_L_2.jpg

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	68
Start Levee Mile	5.17
End Levee Mile	5.41
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #3

USACE2013_GEO_6-8_L_3.jpg



Levee Mile Report Line	69
Start Levee Mile	5.51
End Levee Mile	6.29
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #1

USACE2013_GEO_6-3_L_1.jpg



Levee Mile Report Line	69
Start Levee Mile	5.51
End Levee Mile	6.29
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #2

USACE2013_GEO_6-3_L_2.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	69
Start Levee Mile	5.51
End Levee Mile	6.29
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #3



USACE2013_GEO_6-3_L_3.jpg

Levee Mile Report Line	69
Start Levee Mile	5.51
End Levee Mile	6.29
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

Levee Mile Report Line	69
Start Levee Mile	5.51
End Levee Mile	6.29
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #4



USACE2013_GEO_6-3_L_4.jpg

Levee Mile Report Line	69
Start Levee Mile	5.51
End Levee Mile	6.29
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

Levee Mile Report Line	69
Start Levee Mile	5.51
End Levee Mile	6.29
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #5



USACE2013_GEO_6-3_L_5.jpg

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	69
Start Levee Mile	5.51
End Levee Mile	6.29
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #6

USACE2013_GEO_6-3_L_6.jpg



Levee Mile Report Line	71
Start Levee Mile	6.04
End Levee Mile	6.08
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Large cactus plant on landward slope from LM 6.04 to 6.08

richard_f_20130930_605.jpg



Levee Mile Report Line	71
Start Levee Mile	6.04
End Levee Mile	6.08
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Looking at north end of catcus on the landside slope.

richard_f_20130930_606.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	76
Start Levee Mile	6.60
End Levee Mile	6.72
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking southeast at dense landscaping on landside shoulder and slope.	
richard_f_20130930_607.jpg	



Levee Mile Report Line	77
Start Levee Mile	6.78
End Levee Mile	7.44
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #1	



USACE2013_GEO_5-3_L_1.jpg
Levee Mile Report Line
Start Levee Mile
End Levee Mile



Levee Mile Report Line	77
Start Levee Mile	6.78
End Levee Mile	7.44
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #2	

USACE2013_GEO_5-3_L_2.jpg

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	77
Start Levee Mile	6.78
End Levee Mile	7.44
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #3



USACE2013_GEO_5-3_L_3.jpg

Levee Mile Report Line	77
Start Levee Mile	6.78
End Levee Mile	7.44
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

Levee Mile Report Line	77
Start Levee Mile	6.78
End Levee Mile	7.44
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #4



USACE2013_GEO_5-3_L_4.jpg

Levee Mile Report Line	77
Start Levee Mile	6.78
End Levee Mile	7.44
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

Levee Mile Report Line	77
Start Levee Mile	6.78
End Levee Mile	7.44
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #5



USACE2013_GEO_5-3_L_5.jpg

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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	79
Start Levee Mile	6.90
End Levee Mile	6.94
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Side view of dense trees along landside slope and shoulder.	
richard_f_20130930_608.jpg	



Levee Mile Report Line	79
Start Levee Mile	6.90
End Levee Mile	6.94
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Front view of dense trees along landside shoulder and slope.	
richard_f_20130930_609.jpg	



Levee Mile Report Line	81
Start Levee Mile	6.97
End Levee Mile	6.97
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking south at tree limbs on waterward slope.	
richard_f_20131021_106.JPG	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	83
Start Levee Mile	7.10
End Levee Mile	7.10
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking southwest at prunings on waterward slope.	
richard_f_20130930_727.JPG	



Levee Mile Report Line	84
Start Levee Mile	7.56
End Levee Mile	7.82
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #1	
USACE2013_GEO_4-5_L_1.jpg	



Levee Mile Report Line	84
Start Levee Mile	7.56
End Levee Mile	7.82
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #2	
USACE2013_GEO_4-5_L_2.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	84
Start Levee Mile	7.56
End Levee Mile	7.82
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #3



USACE2013_GEO_4-5_L_3.jpg

Levee Mile Report Line	84
Start Levee Mile	7.56
End Levee Mile	7.82
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

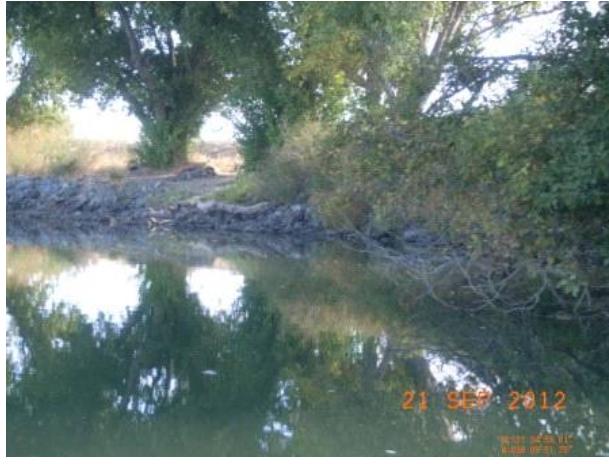
USACE 2012 Photo #4



USACE2013_GEO_4-5_L_4.jpg

Levee Mile Report Line	84
Start Levee Mile	7.56
End Levee Mile	7.82
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #5



USACE2013_GEO_4-5_L_5.jpg

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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	85
Start Levee Mile	7.66
End Levee Mile	7.66
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking southwest at downed limbs on waterside slope.	
richard_f_20130930_718.jpg	



Levee Mile Report Line	86
Start Levee Mile	7.79
End Levee Mile	7.79
Location	Land Side
Category	Earthen Levee
Item	Slope Stability
Looking east at slope erosion on landward shoulder and slope.	
richard_f_20130930_728.JPG	



Levee Mile Report Line	87
Start Levee Mile	7.87
End Levee Mile	8.07
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #1	
USACE2013_GEO_4-3_L_1.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

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+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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**Flood Control Project Maintenance
Levee Inspections**

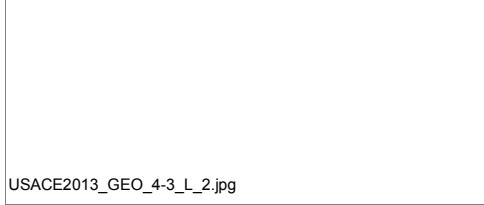
Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	87
Start Levee Mile	7.87
End Levee Mile	8.07
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #2



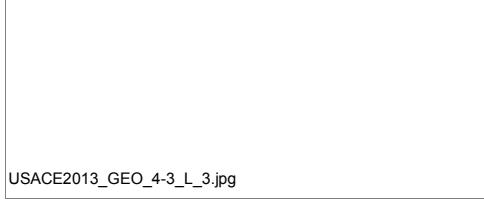
USACE2013_GEO_4-3_L_2.jpg



21 SEP 2012

Levee Mile Report Line	87
Start Levee Mile	7.87
End Levee Mile	8.07
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #3



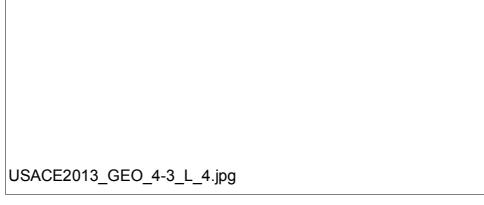
USACE2013_GEO_4-3_L_3.jpg



21 SEP 2012

Levee Mile Report Line	87
Start Levee Mile	7.87
End Levee Mile	8.07
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #4



USACE2013_GEO_4-3_L_4.jpg



21 SEP 2012

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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	89
Start Levee Mile	7.97
End Levee Mile	8.10
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking northeast at dense vegetation on landside toe.	
richard_f_20130930_719.jpg	



Levee Mile Report Line	89
Start Levee Mile	7.97
End Levee Mile	8.10
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking southwest at dense vegetation on landside toe.	
richard_f_20130930_720.jpg	



Levee Mile Report Line	89
Start Levee Mile	7.97
End Levee Mile	8.10
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking northeast at dense vegetation on landside toe. (2012 Fall Inspection)	
richard_f_20130930_721.JPG	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	89
Start Levee Mile	7.97
End Levee Mile	8.10
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking south at dense vegetation on landside toe. (2012 Fall Inspection)	
richard_f_20130930_722.JPG	



Levee Mile Report Line	90
Start Levee Mile	8.28
End Levee Mile	8.76
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #1



Levee Mile Report Line	90
Start Levee Mile	8.28
End Levee Mile	8.76
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #2



USACE2013_GEO_3-8_L_2.jpg

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	90
Start Levee Mile	8.28
End Levee Mile	8.76
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #3

USACE2013_GEO_3-8_L_3.jpg



Levee Mile Report Line	90
Start Levee Mile	8.28
End Levee Mile	8.76
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #4

USACE2013_GEO_3-8_L_4.jpg



Levee Mile Report Line	90
Start Levee Mile	8.28
End Levee Mile	8.76
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #5

USACE2013_GEO_3-8_L_5.jpg



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	95
Start Levee Mile	9.50
End Levee Mile	9.50
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking east at prunings on landside slope and toe.	
richard_f_20130930_697.jpg	



Levee Mile Report Line	95
Start Levee Mile	9.50
End Levee Mile	9.50
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking east at prunings on landward slope. (Spring 2013)	
richard_f_20130930_698.JPG	



Levee Mile Report Line	96
Start Levee Mile	9.74
End Levee Mile	9.92
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #1	
USACE2013_GEO_2-5_L_1.jpg	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	96
Start Levee Mile	9.74
End Levee Mile	9.92
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #2



USACE2013_GEO_2-5_L_2.jpg

Levee Mile Report Line	100
Start Levee Mile	10.17
End Levee Mile	10.29
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #1
USACE2013_GEO_2-0_L_1.jpg



Levee Mile Report Line	100
Start Levee Mile	10.17
End Levee Mile	10.29
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #2
USACE2013_GEO_2-0_L_2.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	100
Start Levee Mile	10.17
End Levee Mile	10.29
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #3

USACE2013_GEO_2-0_L_3.jpg



Levee Mile Report Line	100
Start Levee Mile	10.17
End Levee Mile	10.29
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #4

USACE2013_GEO_2-0_L_4.jpg



Levee Mile Report Line	101
Start Levee Mile	10.46
End Levee Mile	10.76
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #1

USACE2013_GEO_1-7_L_1.jpg



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	101
Start Levee Mile	10.46
End Levee Mile	10.76
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #2

USACE2013_GEO_1-7_L_2.jpg



Levee Mile Report Line	101
Start Levee Mile	10.46
End Levee Mile	10.76
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #3

USACE2013_GEO_1-7_L_3.jpg



Levee Mile Report Line	102
Start Levee Mile	10.77
End Levee Mile	10.77
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

Looking northeast a depression on landside shoulder and slope above 10" irrigation pipe four feet below crown.

richard_f_20130930_701.jpg



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	102
Start Levee Mile	10.77
End Levee Mile	10.77
Location	Land Side
Category	Earthen Levee
Item	Slope Stability
Looking west at depression on landside shoulder and slope.	
richard_f_20130930_702.jpg	



Levee Mile Report Line	102
Start Levee Mile	10.77
End Levee Mile	10.77
Location	Land Side
Category	Earthen Levee
Item	Slope Stability
Looking west at depression on landside shoulder and slope from landside toe.	
richard_f_20130930_703.jpg	



Levee Mile Report Line	102
Start Levee Mile	10.77
End Levee Mile	10.77
Location	Land Side
Category	Earthen Levee
Item	Slope Stability
Looking east at water ponding at landside toe just above 10" irrigation pipe.	
richard_f_20130930_704.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	106
Start Levee Mile	11.63
End Levee Mile	11.63
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Looking east at rodent hole on landside slope.

richard_f_20130930_723.jpg



Levee Mile Report Line	106
Start Levee Mile	11.63
End Levee Mile	11.63
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Looking south at rodent holes on landside slope.

richard_f_20130930_724.jpg



Levee Mile Report Line	106
Start Levee Mile	11.63
End Levee Mile	11.63
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Looking west at rodent hole on landside slope.

richard_f_20130930_725.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	107
Start Levee Mile	11.69
End Levee Mile	12.04
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #1

USACE2013_GEO_0-3_L_1.jpg



Levee Mile Report Line	107
Start Levee Mile	11.69
End Levee Mile	12.04
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #2

USACE2013_GEO_0-3_L_2.jpg



Levee Mile Report Line	107
Start Levee Mile	11.69
End Levee Mile	12.04
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #3

USACE2013_GEO_0-3_L_3.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

Levee Mile Report Line	107
Start Levee Mile	11.69
End Levee Mile	12.04
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #4

USACE2013_GEO_0-3_L_4.jpg



Levee Mile Report Line	107
Start Levee Mile	11.69
End Levee Mile	12.04
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #5

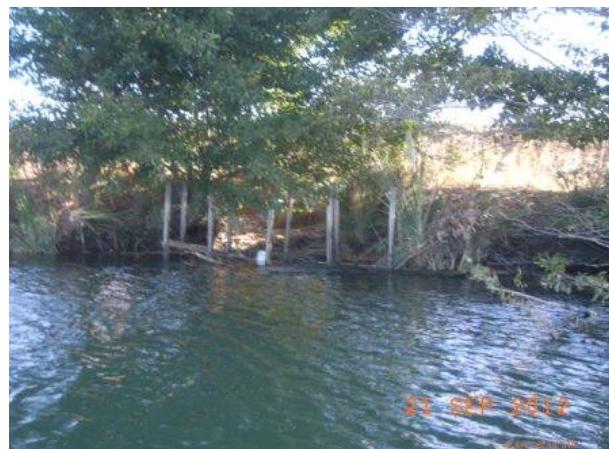
USACE2013_GEO_0-3_L_5.jpg



Levee Mile Report Line	107
Start Levee Mile	11.69
End Levee Mile	12.04
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #6

USACE2013_GEO_0-3_L_6.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.38	10/15/2013 10/16/2013	Richard Willoughby

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